What is objct oriented programming language?

The language which follows OOP concepts

Is called objct oriented programming language..

OOP concepts are:

1.class and object

2.encapsulation

3.abstraction

4.inheritance

5.polymorphism

The language which follows all oop concepts except inheritance is called Object Based language …

Ex:

VB.

The lang which follows structured programming pattren and object oriented pettren is calld partial OOPlang

Ex:C++

Java and dotNET are fully OOP langs ,bcs without class we cannot write a single statement ……in the Program..

**Java Prgram Structure:**

Import java.lang.\*;

class className

{

public static void main(String args[])

{

……………………..

……………………….

}

}

class First

{

public static void main(**S**tring args[])

{

**S**ystem.out.println("Hello World");

}

}

How to Save:

ClassName.java

How to Compile:

Open Command prompt(start->Run->type Command)

Change to ur program path

Type ----javac programName.java

How to Run:

Java programName

How to Set the path:

**Rc on Mycomputer Icon->Properties->Advanced->Env Var->New->**var Name---path

Var value- C:\Program Files\Java\jdk1.6.0\bin

To print a string on the screen we have a method called print()…

But we can not call this method directly….. there is procedure in OOPs to call a method

Ie…..

**Objectname.MethodName();**

Print() is belongs to PrintStream Class but we are unable to create the object for PrintStream class …So by calling the out static var in System class (System.out) we can get the printStream class Object

The main method is declared as public Bcs we have made available main () to JVM

The main is static Bcs it should be called without using an object

class First

{

public static void main(String args[])

{

int a,b,c;

a=10;b=20;c=a+b;

System.out.println("Addition is "+c);

}

}

Data Types:

*1.Integer Data Types:*

**Byte 1B**

**Short 2B**

**Int 4B**

**Long 8B**

2.Float DataTypes:

**Float 4B**

**Double 8B**

3.Charactrer DataTypes:

**Char 2B**

4.String DataTypes:

**String**

5.Boolean DataType:

True or False

Ternary or Conditional Operator

Exp1?Exp2:Exp3

Exp1 --------Conditin

Exp2----state

Exp3----state

If Epx1 True----------Exp2

If Exp1 False -------------Exp3

Sizeof(int)------------4